REMARKS

Claims 1-28 are pending in the application. In the present amendment, Applicants amend claims 1, 10, 11, and 20, and cancel claims 2, 12, and 21.

Drawings

Applicants present herewith new drawings 9 and 10 to represent the following features of the claims:

a. weighted value

b. parameters of previously processed frame

c. sum of weights is one

d. subtracting and difference value

e. currently processed frame

Specification

The Examiner mentions U.S. Patent 6,456,964 on page 3 of the Office Action dated January 14, 2003. Applicants respectfully request further clarification as to where in the specification this reference is located. Such reference does not appear on page 4 of Applicants' copy of the originally filed specification.

35 U.S.C. 103 Rejections

Applicants respectfully submit that the references cited by the Examiner do not support a *prima facie* case of obviousness, as such references fail to teach each and every limitation of the pending claims.

Applicants respectfully disagree with the Examiner's characterization of Fette and Kleider as teaching Applicants' claimed invention. Specifically, Fette gives a range of values within which weights may be assigned, but DOES NOT teach constraining a sum of all weights to one. Additionally, the weights of Fette are each assigned to DIFFERENT parameters (acoustic features) and not to a same parameter as recited in Applicants' claims. Still further, Fette does not apply weights to previously processed

frames, but rather assigns weights to different parameters within a currently processing frame.

Applicants have amended the claims to clarify the claimed invention. Applicants submit that the claims as amended are patentable over the prior art of record.
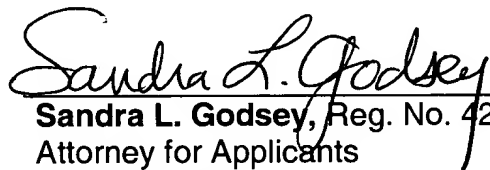
REQUEST FOR ALLOWANCE

In view of the foregoing, Applicants submit that all pending claims in the application are patentable. Accordingly, reconsideration and allowance of this application is earnestly solicited. Should any issues remain unresolved, the Examiner is encouraged to telephone the undersigned at the number provided below.

Respectfully submitted,

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Customer No. 23696

APPENDIX A

Marked up version of amendments to the Claims

1. (Amended)   A method of quantizing information about a parameter of speech, comprising:

> generating [at least one] a plurality of weighted values of the parameter for [at least one] a plurality of previously processed frames of speech, wherein the sum of all weights used is one;

> subtracting the [at least one] plurality of weighted values from a value of the parameter for a currently processed frame of speech to yield a difference value; and

> quantizing the difference value.

10. (Amended)   A speech coder configured to quantize information about a parameter of speech, comprising:

> means for generating [at least one] a plurality of weighted values of the parameter for [at least one] a plurality of previously processed frames of speech, wherein the sum of all weights used is one;

> means for subtracting [the at least one] a sum of the plurality of weighted values from a value of the parameter for a currently processed frame of speech to yield a difference value; and

> means for quantizing the difference value.

11. (Amended)   An infrastructure element configured to quantize information about a parameter of speech, comprising:

> a parameter generator configured to generate [at least one] a plurality of weighted values of the parameter for [at least one previously] a plurality of processed frames of speech, wherein the sum of all weights used is one; and

a quantizer coupled to the parameter generator and configured to subtract [the at least one weighted value] a sum of the plurality of weighted values from a value of the parameter for a currently processed frame of speech to yield a difference value, and to quantize the difference value.

20. (Amended)   A subscriber unit configured to quantize information about a parameter of speech, comprising:

a processor; and

a storage medium coupled to the processor and containing a set of instructions executable by the processor to generate [at least one] a plurality of weighted values of the parameter for [at least one] a plurality of previously processed frames of speech, wherein the sum of all weights used is one, and subtract [the at least one weighted value] a sum of the plurality of weighted values from a value of the parameter for a currently processed frame of speech to yield a difference value, and to quantize the difference value.

SUM WEIGHTED PARAMETER VALUES OF PREVIOUS FRAMES

START

702

RECEIVE FRAME OF SPEECH?

EXTRACT PARAMETER VALUE OF CURRENT FRAME OF SPEECH   704

DETERMINE WEIGHT FOR PARAMETER VALUE   706

APPLY WEIGHT TO PARAMETER VALUE   708

ADD WEIGHTED PARAMETER VALUE OF CURRENT FRAME TO TOTAL OF WEIGHTED PARAMETER VALUES OF PREVIOUS FRAMES TO GENERATE SUM   710

SUBTRACT SUM FROM PARAMETER VALUE OF CURRENT FRAME TO GENERATE DIFFERENCE   712

QUANTIZE DIFFERENCE   714

700

FIG. 9